

Boeing 737/E-7A Wedgetail

General notes:

Liquid glue is recommended for joining styrene and Superglue for resin & white metal parts. Before joining fuselage halves it is helpful to add thin strips of plastic card to one half of the fuselage, this will help strengthen the fuselage joint.

Resin parts:

In the unlikely event that any of the resin parts have warped prior to assembly, immerse them in very hot water. The resin has a built in memory and will regain its original shape. Once this has been achieved plunge into a container of very cold water. This will stabilize the part in question.

Three window options are available:

1. If using decals supplied, fill in window apertures with modelling putty.
2. Remove appropriate window apertures by drilling a small hole in the centre of each window and file to shape, fill in unwanted window apertures with modelling putty – Milliput or similar, fill with Kristal Kleer or similar, after painting – see drawing for reference.
3. Procedure as above but using clear cockpit window part supplied. This part needs to be split in two and placed inside each fuselage half – using white PVA glue or similar. Kristal Kleer can also be used.

Preparation:

Score around each fuselage half with a sharp modelling knife leaving half mm border. Flex downwards and break each half from backing sheet, the plastic may have to be cut through completely around delicate areas.

Rub down on flat side using wet & dry paper pinned to a flat surface until a good centreline joint is achieved on fuselage halves. This also applies to the fuselage tail section. Remove any unwanted resin sprue gates etc., using a file, saw, sanding block or similar. Weight must be added to the nose cone, this will avoid the model tail sitting. Carefully remove nose wheel undercarriage doors.

Assembly:

- No. 1** Superglue seats, control columns and cockpit bulkhead to flight deck floor.
- No. 2** Glue nose wheel undercarriage bay unit to flight deck floor – see drawing.
- No. 3** Glue cockpit flight deck compartment into one fuselage half.
- No. 4** Using superglue fit fuselage bulkheads into place – see drawing for location.
- No. 5** Before assembling fuselage halves check the fit. It is helpful to add 3 strips cello tape evenly spaced around the fuselage, this will help when gluing the halves together to avoid unnecessary movement.
- No. 6** Glue fuselage halves together by running liquid glue along the joint line, when dry remove cello tape and attend to the joint areas that were covered by the tape. If necessary fill fuselage seam joint with modelling putty and when hardened lightly sand down with a fine grade of wet & dry paper, also glue rear fuselage section halves together and fix to fuselage.
- No. 7** Before positioning wings into place – remove the original wing tips, in order to replace them with the ESM tips included in kit – see drawing for position, also remove original fin fillet & replace with the new fillet – see drawing.
- No. 8** Using superglue, fit the six flapjack fairings & two fuel dump masts into position – use colour pictures and drawings for reference.
- No. 9** Superglue wing parts, tail planes and fin/rudder to fuselage, also glue engine parts together i.e. engine cowling to main engine body & fix into place, colour pictures included will help with these reference points.
- No. 10** Assemble undercarriage parts and superglue into position including the nose wheel doors – see pictures & drawings for reference.
- No. 11** Glue APU - ESM / JTIDS tail cone into place – see drawing for position.
- No. 12** Using superglue, glue the following parts into place, ESM nose chin radar unit, ventral under belly ESM P-Band Array unit, ventral fins x2, Satcom aerials x2 & assortment of VHF & UHF blade aerials – see drawing for reference & position.
- No. 13** Glue main radar pylon to rectangular radar dish & glue unit to fuselage.
- No. 14** Sand and fill where required with Milliput or similar.
- No. 15** When the above instructions have been carried out, clean up all surfaces and apply a thin coat of acrylic grey or white primer, this will show up any blemishes. When satisfied with the surface apply a second coat of primer, this will give a good key for final painting.

This is the most accurate kit of the Boeing 737/7ES Wedgetail, bearing in mind we could not obtain manufacturers drawings or access to aircraft in question due to security. Most of our reference have been obtained from website's and a number of Australian modellers, who have shown great interest in Welsh Models producing a model kit of the Boeing 737/7ES Wedgetail.

Boeing 737 E.7A Wedgetail parts list: - 81 parts in total.

1 vacform plastic carrier sheet in 1.5mm, which includes fuselage, rear fuselage section and fuselage bulheads.

Resin parts:-

- 2 complete wing panels, including wing root fairings
- 2 tailplanes
- 1 fin/rudder unit
- 1 APU tail cone, including ECM unit
- 1 Ventral under belly satellite com radar unit
- 1 Nose ECM radar unit
- 2 Ventral fins
- 1 Fin fillet
- 6 Flapjack wing fairings
- 2 ECM wing tip pods
- 2 CFM 56 -7A engine cowlings
- 2 Engine main body & hot section
- 1 Nose wheel bay & cockpit floor
- 1 Cockpit bulkhead
- 1 Cockpit flight deck
- 1 AWACS pylon
- 1 AWACS rectangular radar dish
- 2 Strips of blade aerials x 22, also included on strip, 4x Satcom aerials
- 2 Fuel dump masts
- 2 Flight deck seats
- 2 Control columns
- 1 Nose wheel undercarriage leg
- 2 Nose wheels
- 2 Main undercarriage legs
- 2 Main undercarriage re-track arms
- 4 Main wheels
- 2 Outer main wheel hub caps
- 2 Main undercarriage doors

75 resin parts in total

Clear part:-

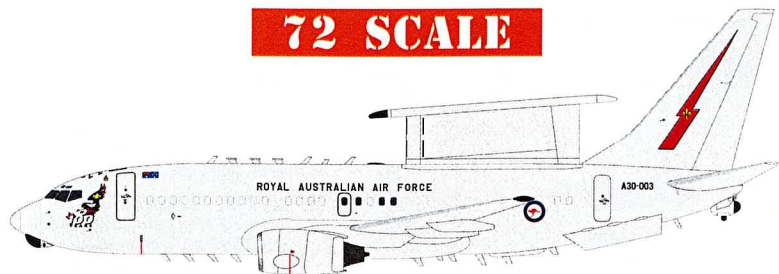
1 vacformed clear cockpit insert.

Decals:-

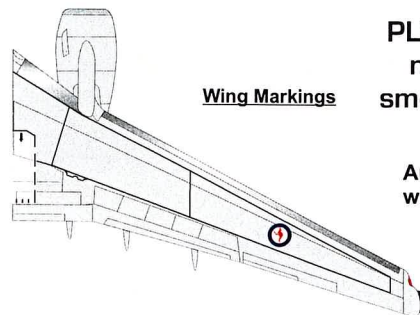
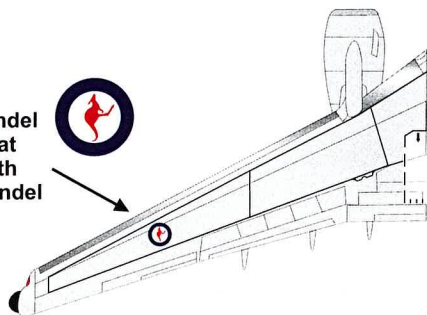
1 plastic bag – including decals, decal instruction sheet with decal placement and colour guide, together with building notes.

Recommended Kit:

1:72 Welsh Models Wedgetail Kit



Wing roundel location. On Australian aircraft, the roundel is rotated 90 degrees so that the Kangaroo is aligned with the direction of flight. Roundel is applied to all four wing surfaces.



Wing Markings

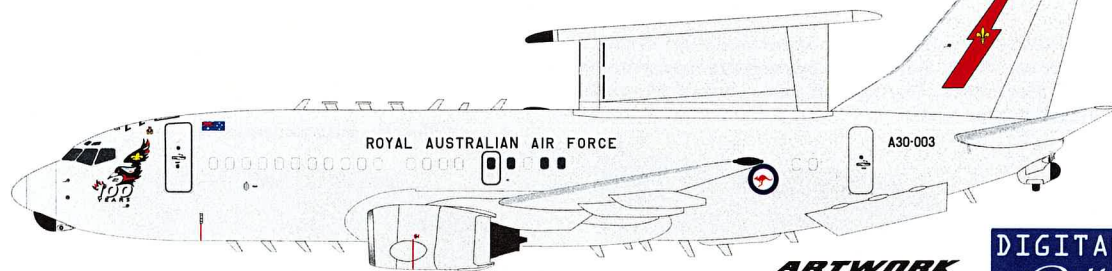
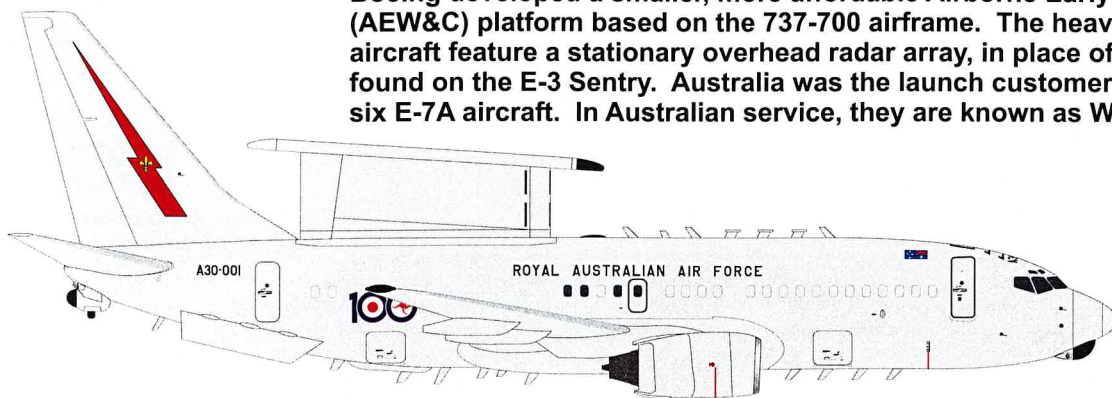
PLEASE NOTE: ALL decals need to be applied to a smooth and glossy surface!

Australian aircraft have black wingtip antennas.

PLEASE READ THESE INSTRUCTIONS, as these decals may apply a bit differently than you may be used to using.

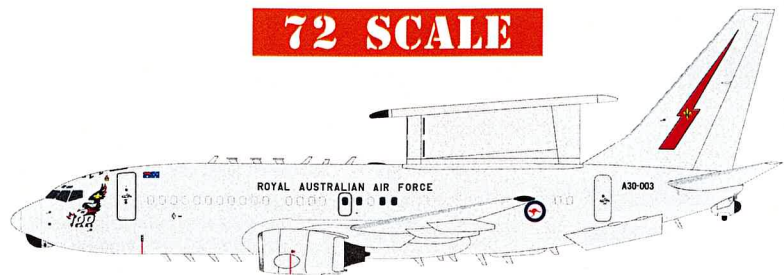
Next Generation DIGITAL Silk decals are extremely durable and do not easily scratch, and are printed on a continuous, clear film. Each design will need to be cut out individually. **Next Generation** DIGITAL Silk decals do not generally need to be clear coated prior to use. Use care when applying as the decal film is **exceptionally** thin. **Next Generation** DIGITAL Silk decals are tough, durable and exceptionally *flexible*. **DO NOT** float the decal off of the backing paper, as it will curl up and likely become unusable. Rather, soak the decal in warm water for about 5 seconds then remove it and allow it to sit for 30 seconds before trying to slide it off of the backing paper. "Normal" decal setting solutions can be used with these decals but will have little effect. For most applications, **NO** decal solvent will be needed. If you feel the need, we recommend using Microscale's Micro Set (a wetting agent) and Micro Sol (a SOLvent), but note the decal solvents only effect the clear film and have **LITTLE** effect on the inks. Brush the Micro Set directly on your model before sliding the decal into position. Only slide a small portion of the decal off of the backing paper, place the decal into position then pull out the backing paper allowing the decal to land in place. After you adjust the decal into position and soak up the excess liquid, apply a thin coat of Micro Sol (the **solvent**) to soften the clear carrier. It is important to get the Micro Sol **under** the decal, as the solvent has little effect on the ink, but it will dissolve the clear carrier which allows the decal to dig into the paint. After this coat dries and you are certain the decal is in its final position, apply a second heavier coat of Micro Sol. Note repeated applications of decal solvent will only wash away the glue. After the decals are **completely** dry, clear coating your model after applying these (or any) decals is a **must!** I repeat this is a **must**. The clear coat will seal your decal and prevent it from becoming damaged. Airbrush lacquers only in very light, misting coats. Another method to clear coat the decal is to use Future acrylic floor polish. Good luck and thank you for using **Next Generation** DIGITAL Silk decals!

Boeing developed a smaller, more affordable Airborne Early Warning & Control (AEW&C) platform based on the 737-700 airframe. The heavily modified aircraft feature a stationary overhead radar array, in place of a roto-dome, as found on the E-3 Sentry. Australia was the launch customer with an order for six E-7A aircraft. In Australian service, they are known as Wedgetails.

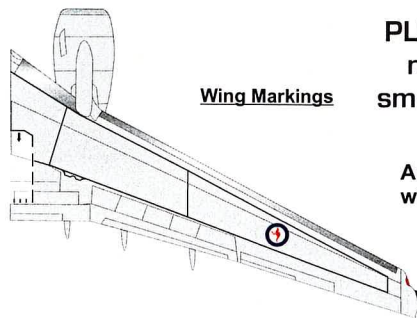
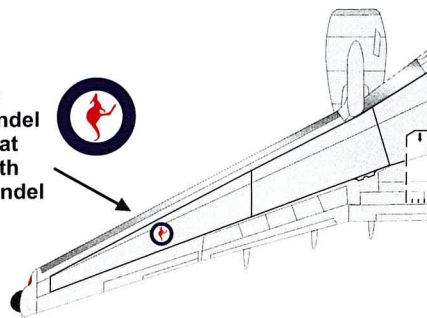


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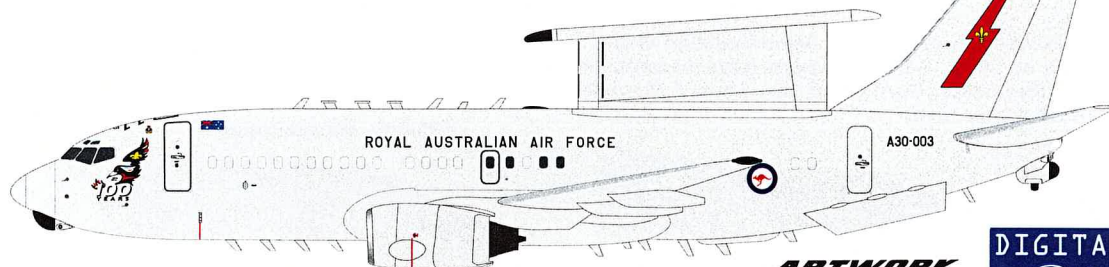
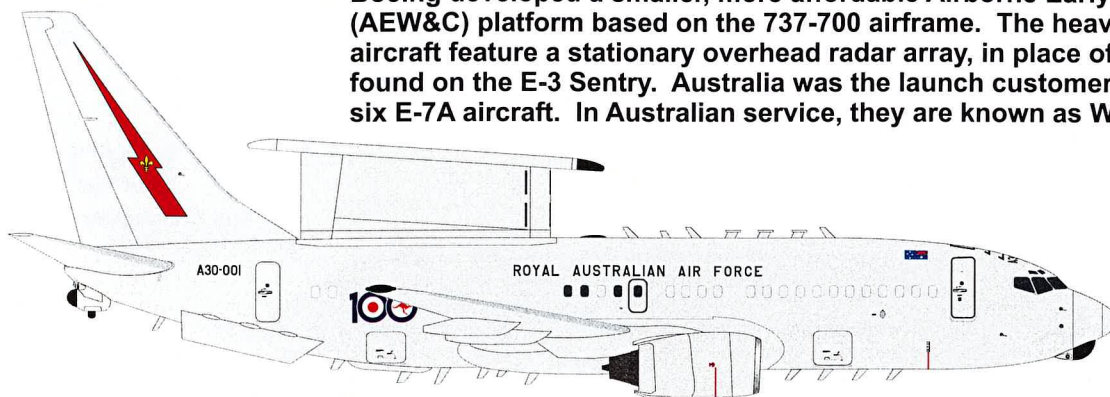
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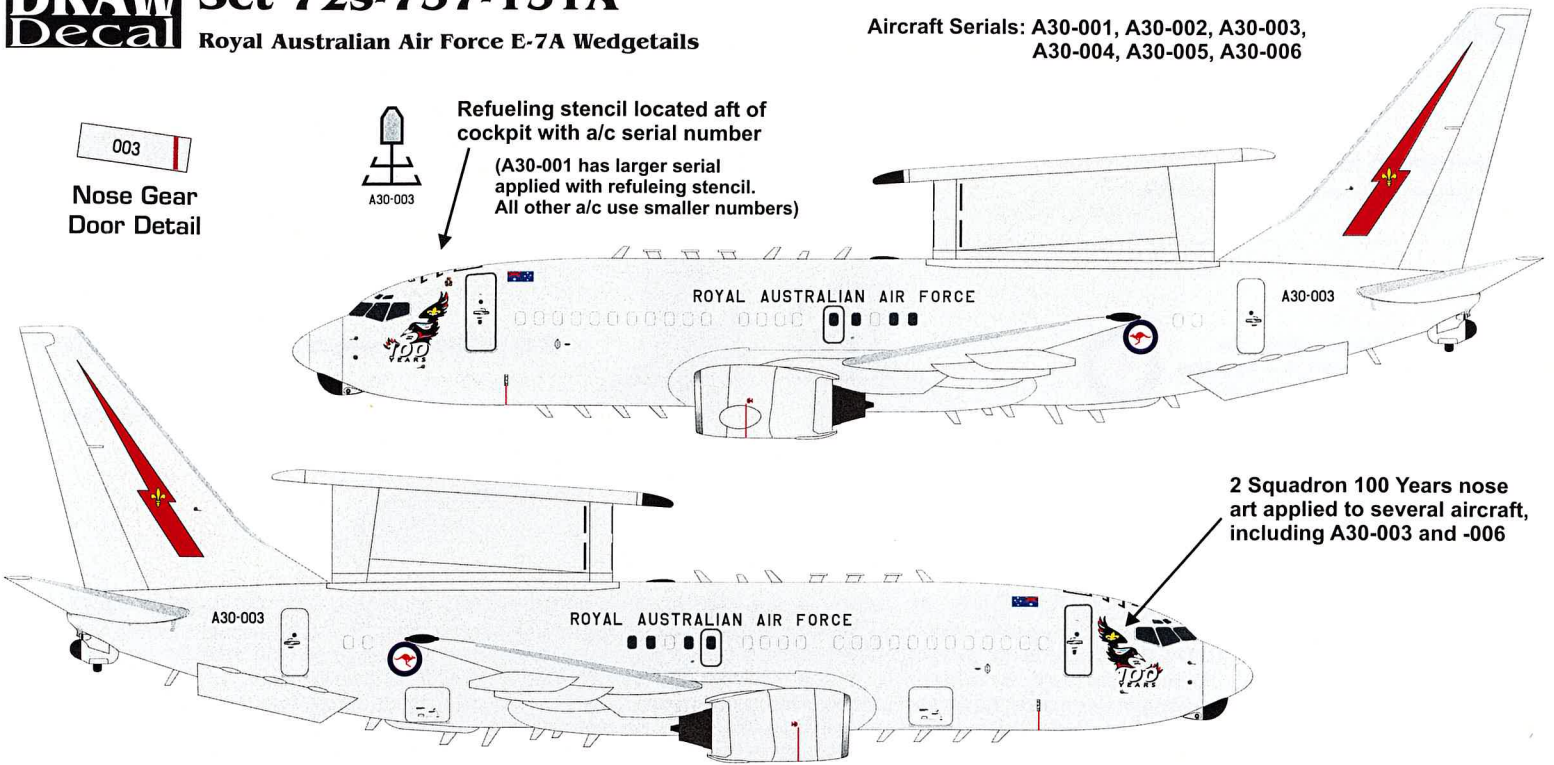
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003
Nose Gear
Door Detail

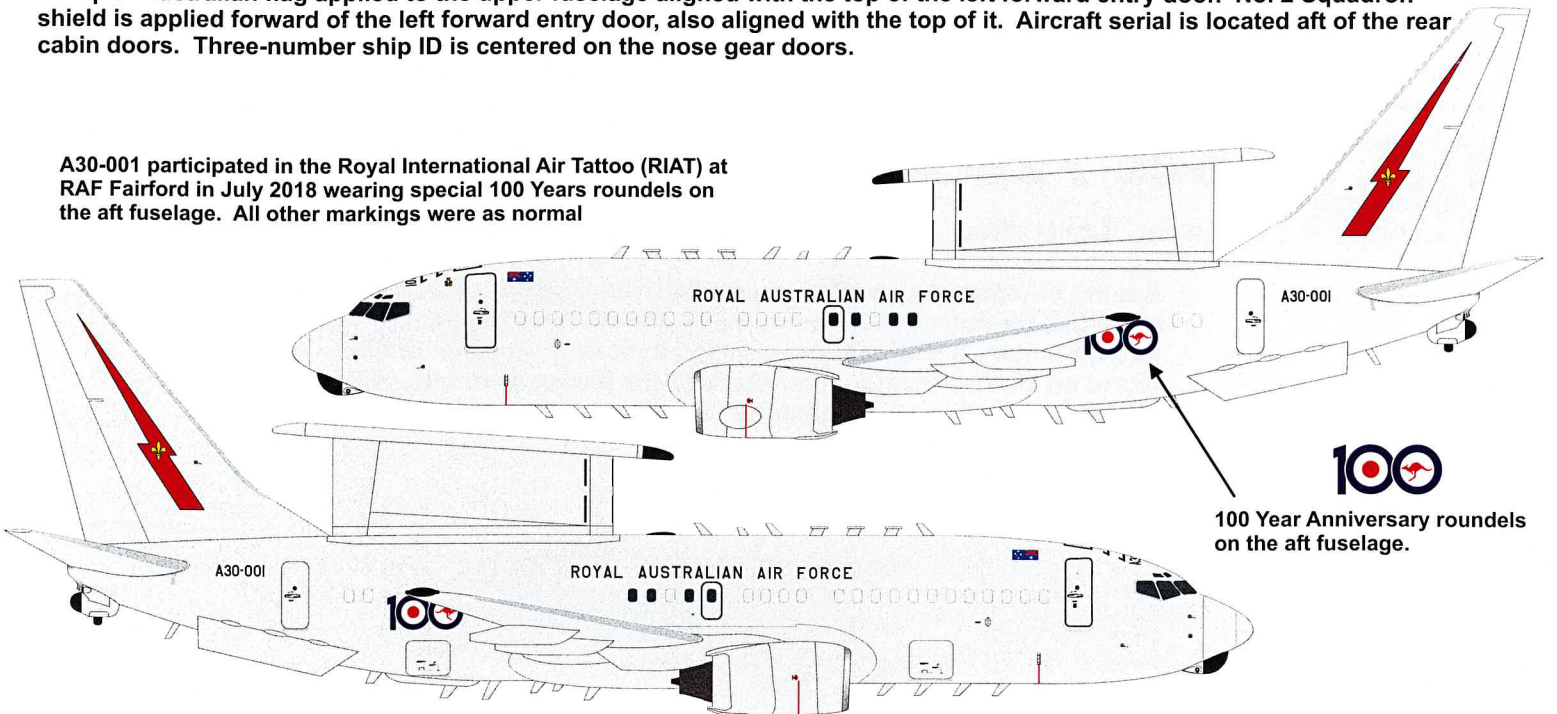
Refueling stencil located aft of
cockpit with a/c serial number
(A30-001 has larger serial
applied with refueling stencil.
All other a/c use smaller numbers)



2 Squadron 100 Years nose
art applied to several aircraft,
including A30-003 and -006

Aircraft are painted overall Boeing BAC707 Gray (approximately FS16515). A close match is Testors Model Master Voodoo Gray. Leading edges of wings, horizontal stabilizers, vertical stabilizer, engine nacelles and radar array mast are bare metal. Front portion of the radar array is black. Only the forward entry doors and overwing escape hatches have painted outlines. Aerial refueling receptacle stencil (with aircraft serial number) is applied to the upper fuselage just aft of the cockpit. Australian flag applied to the upper fuselage aligned with the top of the left forward entry door. No. 2 Squadron shield is applied forward of the left forward entry door, also aligned with the top of it. Aircraft serial is located aft of the rear cabin doors. Three-number ship ID is centered on the nose gear doors.

A30-001 participated in the Royal International Air Tattoo (RIAT) at RAF Fairford in July 2018 wearing special 100 Years roundels on the aft fuselage. All other markings were as normal



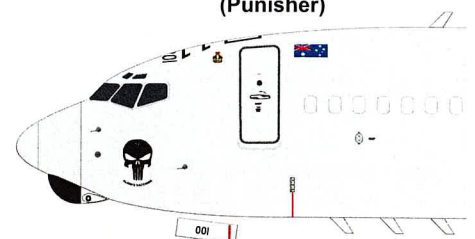
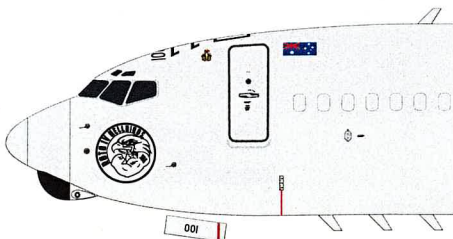
100
100 Year Anniversary roundels
on the aft fuselage.

As a contributing member of the Allied Coalition in the Global War on Terror, Australian E-7As have made numerous combat deployments. During that time, several examples of nose art have been seen

A30-001
Roto IV
Hellbirds

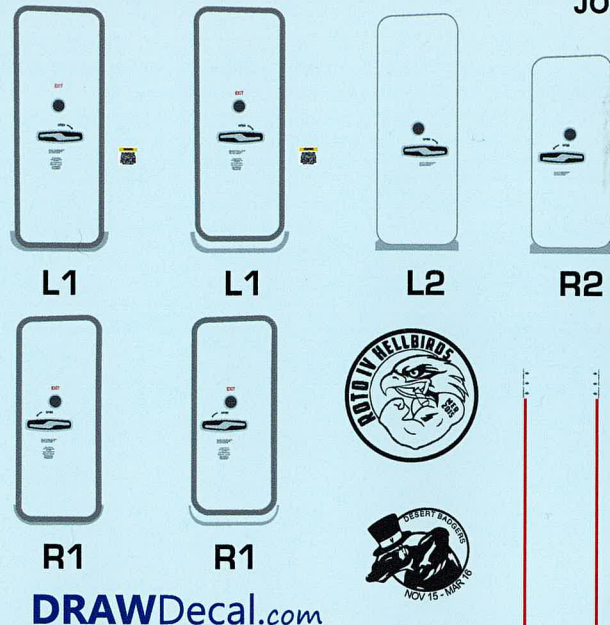
A30-005 - Desert Badgers

A30-001 - "Always Watching"
(Punisher)





ROYAL AUSTRALIAN AIR FORCE
 ROYAL AUSTRALIAN AIR FORCE



L1 L1 L2 R2

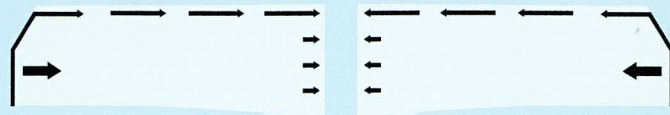
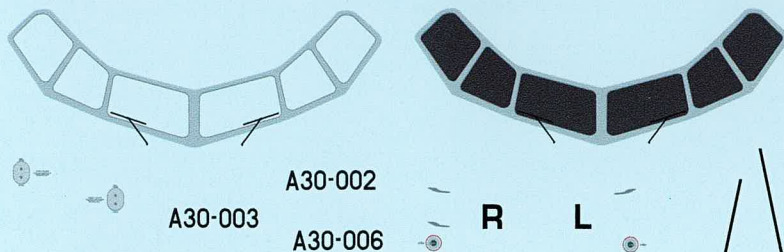
R1 R1

DRAWDecal.com

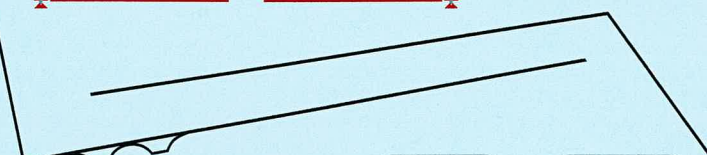
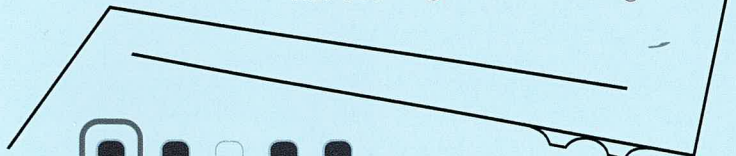


Set 72s-737-131A
 RAAF E-7A Wedgetails

L R

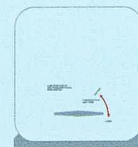


1:72 Scale

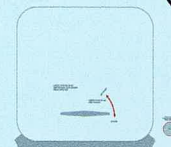


Belly Static Port

- | | | | |
|-----|-----|---------|---------|
| 001 | 001 | A30-001 | A30-001 |
| 002 | 002 | A30-002 | A30-002 |
| 003 | 003 | A30-003 | A30-003 |
| 004 | 004 | A30-004 | A30-004 |
| 005 | 005 | A30-005 | A30-005 |
| 006 | 006 | A30-006 | A30-006 |



AFT



FWD

A30-001

ARTWORK
 BY
 MIKE EDAN



A30-004
 A30-005

